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15870 U.S.P.T.O.  
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033104

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: Keith R. Tinsley et al.

The PULSE SHAPING SIGNALS FOR ULTRAWIDEBAND COMMUNICATION

Attorney Docket No.: 884.B69US1

Customer No.: 21186

**PATENT APPLICATION TRANSMITTAL**

**MAIL STOP PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

We are transmitting herewith the following attached items and information (as indicated with an "X"):

- Return postcard.  
 Utility Patent Application:  
 Specification (16 pgs, including claims numbered 1 through 29 and a 1 page Abstract).  
 Formal Drawing(s) (9 sheets).  
 Unsigned Combined Declaration and Power of Attorney (4 pgs).

The filing fee (NOT ENCLOSED) will be calculated as follows:

	No. Filed	No. Extra	Rate	Fee
TOTAL CLAIMS	29-20	9	x 18.00 =	\$162.00
INDEPENDENT CLAIMS	6-3	3	x 86.00 =	\$258.00
[] MULTIPLE DEPENDENT CLAIMS PRESENTED				\$0.00
BASIC FEE				\$770.00
TOTAL				\$1190.00

**THE FILING FEE WILL BE PAID UPON RECEIPT OF THE NOTICE TO FILE MISSING PARTS.**

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Customer Number: 21186

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Date of Deposit: March 31, 2004

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